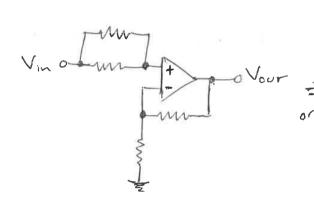
Uning-Gam Zuner; Gy = -1

Vota o mino Vour

because all RIs equal

Non inverty Gam of 2: 6v = 2



Voor = Voor

Non inversely gam of 0.5 : GV = 0.5

Difference Can Amplifrer [fog 4.9a page 277]

$$V_{+} = \frac{R_{2}}{R_{1} + R_{2}} V_{2}$$

$$V_1 - IR_1 = V_2 = V_4 = \frac{R_2}{R_1 + R_2} V_2$$

$$V_1 - \frac{P_2}{R_1 + R_1} V_2 = IR_1$$

$$T = \frac{V_1}{R_1} - \frac{R_2 V_2}{R_1 (R_1 + R_2)}$$

$$V_{OUT} = X_1 - X_1 + \frac{R_2}{R_1 + R_2} V_2 - \frac{P_L}{R_1} V_1 + \frac{R_2^2 V_2}{R_1 (R_1 + R_2)}$$

$$= \frac{R_1 R_2 V_2}{R_1 (R_1 + R_2)} - \frac{R_2 (R_1 + R_2) V_1}{R_1 (R_1 + R_2)} + \frac{R_2^2 V_2}{R_1 (R_1 + R_2)}$$

$$= R_1 R_2 V_2 - R_1 R_2 V_1 \rightarrow R_2^2 V_1 \rightarrow R_2^2 V_2$$

$$R_1 (R_1 + R_2)$$

$$V_{out} = \frac{R_2}{R_1} (V_2 - V_1)$$